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County Board
Information Technology

STATE OF ILLINOIS	,
COUNTY OF LAKE) SS)

Agenda Item # 67

COUNTY BOARD, LAKE COUNTY, ILLINOIS

COUNTY BOARD, LAKE COUNTY, ILLINOIS ADJOURNED REGULAR JUNE, A.D., 2008 SESSION

AUGUST 12, A.D., 2008

MADAM CHAIRMAN AND MEMBERS OF THE COUNTY BOARD:

Your Law and Judicial Committee and Financial and Administrative Committee present herewith a Joint Resolution authorizing the Purchasing Agent to enter into an agreement for the purchase of consulting services with URL Integration, Colorado Springs, CO to implement key Court document exchanges with the States Attorney and Public Defender and to develop schema and technical requirements for the new Case Management System for the Public Defender in an amount not-to-exceed \$502,356.00 charged to 101-1103160-71150-000-000-000-00000; and request its adoption

Respectfully submitted,

Chairman Aye Nay	Chairman Aye Nay
Vice-Offairman Lufy Morteniu	Vioe-Chairman
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Caral Calubesa -	
Law and Judicial Committee	Financial & Administrative Committee

RESOLUTION

WHEREAS, the Information and Technology department has a bid-exempt requirement for the purchase of consulting services from URL Integration to implement key Court document exchanges with the States Attorney and Public Defender, and to develop schema and technical requirements for the new Case Management System for the Public Defender as part of Integrated Justice; and

WHERAS, the key Court document exchanges with the States Attorney and Public Defender consist of: Multiple Adult Sentencing Orders, GED Order, Impact Incarceration Consent and Order, Order for Restitution, Sex Offender Motion and Order, Blood Specimen Motion and Order, Medical Exam – HIV Testing Motion and Order, Orders for Street Value Fine and Crime Lab Fee and Nolle Pros Order; and

WHEREAS, the Public Defender Case Management System technical requirement work will include development of use-case and business process model diagrams, validation of the documentation to ensure it reflects the business process and efficiencies that automation will provide the Public Defender, and mapping document information to the National Information Exchange Model Standard; and

WHEREAS, there exists a long standing and successful relationship with URL Integration who has provided professional services for the integration of justice agencies in Lake County; and

WHEREAS, Information Technology recommends the continuation of services by URL Integration; and

WHEREAS, in accordance with Article 6, Section 102 of the Lake County

Purchasing Ordinance, the Purchasing Agent convened an ad hoc review group that approved bid

exemption on the basis that there exists a long standing, successful relationship for professional
services, and the knowledge gained through this relationship adds value integral to the services
provided. for these services.

NOW, THEREFORE, BE IT RESOLVED, by this County Board of Lake County, Illinois, that the Purchasing Agent is hereby authorized to enter into an agreement for the purchase of consulting services with URL Integration, Colorado Springs, CO to implement key Court document exchanges with the States Attorney and Public Defender and to develop schema and technical requirements for the new Case Management System for the Public Defender in an amount not-to-exceed \$502,356.00 charged to 101-1103160-71150-000-000-000-000000.

DATED, at WAUKEGAN, LAKE COUNTY, ILLINOIS, on this 12th day of August, A.D., 2008.

Comprehensive Justice Technology Implementation URL Integration Services Proposal For Lake County, Illinois – FY 2008-2009 Non COPS Grant Exchanges

June 30, 2008



URL Integration, Inc. 1160 Lake Plaza Drive, Suite 217 Colorado Springs, CO 80906 Telephone: +1.719.434.3803

Web Site: www.urlintegration.com

Executive Summary

URL Integration, a Colorado-based firm, is pleased to provide a proposal to Lake County, Illinois, in response for its need for technical consulting services to support the implementation of integrated justice identified by the Lake County Integrated Justice Task Force. Specifically, this proposal will address how URL Integration plans to provide comprehensive technical support and programming to Lake County in four specific areas:

- implementation of key law enforcement exchanges between the Sheriff and the State's Attorney and the Court;
- schema development and technical requirements documentation for Public Defender exchanges; and
- implementation of key court exchanges with all other agencies in the criminal justice enterprise.

There are several reasons why we believe URL Integration is uniquely qualified for this engagement. URL Integration has, since its inception in 2002, been a leader in providing state and local agencies nationwide information technology (IT) planning and implementation services. URL Integration was hired as the integrated justice vendor for Lake County in 2002 after an extensive search that included an RFP. URL Integration has worked extensively with all agencies in the Lake County criminal justice enterprise and has extensive knowledge about the Lake County justice business process as well as extensive knowledge of agency technical environments and systems. On the business side, the firm facilitated integrated justice information exchange sessions for Lake County including the documenting all criminal justice exchanges. Furthermore, URL assisted in the development of requirements and the procurement of the Sheriff Jail Management and Records Management Systems (JMS and RMS) as well as the Public Defender case management system (CMS). URL's technical work with the County includes the implementation of an electronic traffic citation system for the Circuit Clerk's Office and has been actively involved in the implementation of the Prosecutor System. The firm assisted in the development of requirements and the procurement of the Lake County Integrated Justice Task Force's Middle Tier software solution, the BEA Aqualogic Service Bus (ALSB) that facilitates the information exchanges addressed with this program. URL Integration is currently implementing exchanges to allow queries of the data in the CRIMS system and to allow information be exchanged to and from the Sheriff's new RMS.

URL Integration's tenure with Lake County is what sets it apart from any other firm. URL is the only vendor that knows Lake County specific business processes, information exchanges, and events, based on their long working relationship with the County. They are the only contractor who has a thorough understanding of the Prosecutor, the Sheriff, and the Circuit Clerk's Office workflows as well the systems that support these workflows, as well as a strong understanding of which is necessary for the success of the project. In short, URL Integration is the only contractor that can come in and immediately begin doing work without an orientation/ramp-up time.

In sum, we believe URL Integration's experience and expertise would be an asset to this engagement and to the Lake County Integrated Justice effort. We have made a name for ourselves in the criminal justice arena for successfully delivering engagements very similar to that which is being requested. We welcome the opportunity to discuss our proposed approach with you at your convenience.

Approach

As part of its overall integration effort, Lake County issued an RFP in early 2006 to acquire a license(s) from a qualified vendor to provide products that would enable the integration of justice applications in an implementation-independent fashion, at a service level (leveraging the principles of service-oriented architecture) via an event-driven and XML-based messaging engine. Lake County chose the AquaLogic Service Bus (ALSB) software from BEA, and since that time has established appropriate test and production environments to support information exchange. Currently, Lake County is in the process of implementing important information exchanges using the ALSB, including traffic citation information between law enforcement and the courts.

The vision for Fiscal Year (FY) 2008-2009, as stated above, is to provide comprehensive technical support and programming to all Lake County justice agencies in four specific areas:

- implementation of Key Enhanced Sheriff Filing (Law Enforcement) Exchanges
- implementation of key court document exchanges with other agencies in the criminal justice enterprise;
- schema development and technical requirements documentation for Public Defender exchanges.

Each project goal will be addressed in turn.

Implementation of Key Enhanced Sheriff Filing (Law Enforcement) Exchanges

The vision for FY 2008-2009 in this area is to expand the number of law enforcement information that is available electronically, using the ALSB and important standards such as web services and the National Information Exchange Model (NIEM) as the vehicle to exchange that information. Specifically, Lake County has sought federal support through this application for to implement the following exchanges between the Lake County Sheriff Records Management System (RMS), the County Court's Court Records and Information Management System (CRIMS), and/or the Lake County State's Attorney's Case Management System (CMS):

- Bench Warrant
- Warrant Quash
- Officer Notice of Court Date
- Search Warrant Request
- Search Warrant Order Return-Inventory
- Summons
- Subpoena
- Subpoena/Summons Return

The process for the schema and web services development will mirror those steps articulated above for the Jail/Court exchanges, though no web applications will need to be built for CRIMS for these exchanges. These steps are: creating schema from previous JAD sessions; developing web services;

developing the ALSB web services and interfaces; and testing and deploying these artifacts for the four exchanges described above on the ALSB.

The County will support this work through the solicitation of an implementation vendor to support these services. All XML artifacts will be compliant with NIEM.

A more specific project plan detailing these tasks is included as an addendum to this proposal.

Implementation of Key Court Document Exchanges

Similarly, the vision for the court exchanges is to implement those key court documents for which IEPDs, models, diagrams, and XML schema have been developed. The process for this aspect of the project will mirror those described above, including developing web services; developing the ALSB web services and interfaces; and testing and deploying these artifacts for the four exchanges described above on the ALSB.

All project tasks included below will be completed by June 30, 2009.

- Adult Sentencing Order
 - Court Supervision
 - o Felony
 - o Misdemeanor
 - Mittimus
 - Probation
- GED Order
- Impact Incarceration Consent and Order
- Order for Restitution
- Sex Offender Motion and Order
- Blood Specimen Motion and Order
- Medical Exam-HIV Testing Motion and Order
- Order For Street Value Fine
- Order For Crime Lab Fee

A more specific project plan detailing these tasks is included as an addendum to this proposal.

IEPD (Schema Development & Technical Requirements) for Public Defender

The Lake County Public Defender has recently entered into contract negotiations with a vendor to purchase a new CMS to support its caseload. The vision for FY 2008-2009 in this area is create information exchange package documents (IEPDs) for key Public Defender exchanges, enabling that office to exchange information with both CRIMS and the State's Attorney, dependent on business rules. IEPDs are a collection of artifacts that describe the structure and content of an information exchange (data, XML schema). For the Public Defender component of the project, these exchanges include:

- Petition for Revocation w/Notice
- Petition for Rule to Show Cause w/Notice

- Subpoena
- Subpoena Return
- Sentence Order
- Restitution Order
- Initial Case Information
- Notification of Modifications to Charges
- Notification of Change of Attorney Appearance
- Notification of Court Appearance
- Notification when PD Withdraws
- Generic Motion/Order
- Generic Notice
- Speedy Trial Demand
- Writ

The steps included in this process are as follows:

- Artifact Creation. The URL Integration staff assigned to this project will create draft technical requirements documents, such as a domain model, use cases, and business process model diagrams, based on their knowledge of the Lake County Public Defender business process and copies of the document themselves.
- Validation Meeting. URL staff will vet these draft artifacts with Lake County practitioners to
 ensure that the diagrams and models reflect the business process and the efficiencies that
 automation will provide the agency, so that in turn is reflected in the programming and
 automation itself.
- Schema Development & Mapping. Based on finalized and vetted artifacts, URL staff will map the
 document information to NIEM and create schema and related artifacts that will be ready to
 hand to developers for implementation.

As with the others, these exchanges will use the ALSB and important standards such as web services and NIEM as the vehicle to exchange that information.

A more specific project plan detailing these tasks is included as an addendum to this proposal.

Assumptions

The work outlined in this proposal will represent significant progress in Lake County's already rigorous efforts to implement criminal justice information sharing across its justice enterprise. Many components of the projects will be conducted concurrently with augmented staff that URL Integration has brought on in anticipation of this project. URL Integration will work closely with the Lake County Project Manager to develop a detailed project plan for all four projects and highlight dependencies and resource issues so that if something changes during the course of this work, we will easily be able to anticipate how those changes will affect future work and resources.

However, all aspects of this project rely on the availability of staff and vendor resources (where applicable) for planning, implementation, and testing. A significant and important assumption inherent in this proposal is that URL Integration staff will have access to these staff and vendor resources during

the timeframes it and the County Project Manager identify in the detailed project plan. Ultimately, URL Integration can only be accountable for the work products that it has identified above; we cannot control or be held accountable for any agency delay in implementation due to their lack of resources or readiness.

Much of our ability to structure our approach as we have is reliant on the presence of the strong Project Manager for the County. We assume that the Project Manager will assist URL in convening the meetings and coordinating County and vendor resources for testing and implementation. Significant delays in project timelines due to incompletion of critical paths URL cannot control or significant changes in the design of exchanges and applications from the original signed off specification will fall into change control procedures.

URL Integration also assumes this is an 18-month project cycle.

URL Integration Proposal for Lake County Integrated Justice 2008

		From	ç	IEPD	ALSB	Court Web	Court Web	Total by Exchange	Total for Section	Proposal
Enhanced Sheriff Filing	Notice of Court Date	8	Sheriff		, , ,	z	2 2	787 38		Total
	Bench Warrant	8	Sheriff		>	2	-2			
	Warrant Quash	9	Sheriff		- >	zz	zz	\$5,737		
	Search Warrant Request	LEA	SAO		· >-	: z	zz	45,737		-
	Search Warrant Order Return - Inventory	LEA	SAO		>	z	: Z	45,727		
	Summons	SAO	Sheriff		>-	z	z	45,737		
	Summons-Subpoena Return	Sheriff	SAO		>-	z	2 2	40,100		
	Subpoena	SAO	Sheriff		> -	z	zz	\$5,737		
									\$45,893	
Court Documents	Adult Sentencing Order	Ş	SAO, PD		>-	z	>	\$160 303		
	Court Supervision							, , , , , , , , , , , , , , , , , , ,		
	Misdemeanor									
	Probation Mittimus									
	- Lucy Lucy Annual Control Annual	Ç	(
	Impact incarceration Consent and Order Order for Restitution	3 8	SAO, PD		>- >	ZZ	≻ >	\$24,092		
	Sex Offender Motion and Order)))	SAO, PD	٠	- >	2 2	·- >	\$24,092		
	Blood Specimen Motion and Order	္ပ	SAO, PD		- >-	zz	-, > -	\$24,09Z		
	Medical Exam-HIV Testing Motion and Order	ပ္ပ	SAO, PD		>	z	>	\$24,092		
	Order For Street Value Fine	ပ္ပ	SAO, PD		>	z	≻-	\$24,092		
	Order For Crime Lab Fee	ပ္ပ	SAO, PD		> -	z	>	\$24,092		
									\$328,945	
Public Defender	Petition for Revocation w/Notice			>-		•		\$3,601		
	Petition for Rule to Show Cause w/Notice			>				\$3,601		
	Subpoena			>				\$3,601		
	Subpoena Return			>				\$3,601		
	Sentence Order			> :				\$3,601		
	Restitution Order			> :				\$3,601		
	initial case information			>	•			\$11,768		
	Notification of Modifications to Charges			≻ >				\$11,768		
	Nouncation of Change of Audithey Appealance			> -				\$11,768		
	Notification of Court Appearance			>				\$11.768		
	Notification when PD withdraws			>				\$11.768		
	Motion/Order (Generic)			· >-				\$11.768		
	Notice (Generic)			>				\$11,768		
	Speedy Trial Demand			> -				\$11,768		
	Writ			> -				\$11,768	\$127,518	
TOTAL										\$502,356